

SEQUENCE LISTING

<110> Qian, Su
 Van der Ploeg, Leonardus, H.T.
 Chen, Howard
 Weingarth, Drew T.
 Trumbauer, Myrna
 Metzger, Joseph M.

<120> Agouti-related protein deficient cells,
 non-human transgenic animals and methods of selecting
 compounds which regulate energy metabolism

<130> 21033Y PCT

<150> 60/393,391

<151> 2002-07-03

<160> 14

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 923

<212> DNA

<213> Mus musculus

<400> 1

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caatgccttt tgctactgcc gcaagctggg taccgccacg aacctctgta gtcgcaccta 840
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<212> PRT

<213> Mus musculus

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Arg Pro Asp Gln Ala Leu Phe Pro Glu Phe Pro Gly Leu Ser Leu Asn
      35      40      45
Gly Leu Lys Lys Thr Thr Ala Asp Arg Ala Glu Glu Val Leu Leu Gln
      50      55      60
Lys Ala Glu Ala Leu Ala Glu Val Leu Asp Pro Gln Asn Arg Glu Ser
      65      70      75      80
Arg Ser Pro Arg Arg Cys Val Arg Leu His Glu Ser Cys Leu Gly Gln
      85      90      95
Gln Val Pro Cys Cys Asp Pro Cys Ala Thr Cys Tyr Cys Arg Phe Phe
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gaagaggatc tggtgcagga ggctcaggcc ttggcagagg tactagacct gcaggaccgc 240
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Arg Pro Asp Gln Ala Leu Leu Pro Glu Leu Pro Gly Leu Gly Leu Arg
      35      40      45
Ala Pro Leu Lys Lys Thr Thr Ala Glu Gln Ala Glu Glu Asp Leu Leu
      50      55      60
Gln Glu Ala Gln Ala Leu Ala Glu Val Leu Asp Leu Gln Asp Arg Glu
      65      70      75      80
Pro Arg Ser Ser Arg Arg Cys Val Arg Leu His Glu Ser Cys Leu Gly
      85      90      95
Gln Gln Val Pro Cys Cys Asp Pro Cys Ala Thr Cys Tyr Cys Arg Phe
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 Cys Ser Arg Thr
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 <211> 483
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 35 40 45
 Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr
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 <212> DNA
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 ccagcggagg acatggccag atactactcg gcgctgcgac actacatcaa cctcatcacc 180
 aggcagagat atggaaaacg atccagccca gagacactga tttcagacct cttgatgaga 240
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20 25 30
Pro Asp Asn Pro Gly Glu Asp Ala Pro Ala Glu Asp Met Ala Arg Tyr
35 40 45
Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr Arg Gln Arg Tyr
50 55 60
Gly Lys Arg Ser Ser Pro Glu Thr Leu Ile Ser Asp Leu Leu Met Arg
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Glu Ser Thr Glu Asn Val Pro Arg Thr Arg Leu Glu Asp Pro Ala Met
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Trp

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<223> Primer

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